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AMENDMENTS

Amendments to the Claims

The listing of claims will replace all prior versions, and listings, of claims in the application. Amendments to the claims are shown by strikethrough for deleted matter or underlining for added matter.

Please cancel claims 46-57, without prejudice or disclaimer.

1-16. (cancelled)

17. (previously presented) A method of controlling corrosion of a surface of a metal comprising:

passivating the surface of the metal with an anionic oxidizer;
flushing the anionic oxidizer from the surface of the metal; and
determining an activity factor of the metal.

18. (previously presented) The method of claim 17, wherein the passivating step comprises flash formation of an oxide layer on the surface of the metal.

19. (previously presented) The method of claim 17, wherein the anionic oxidizer comprises a hydrogen peroxide donor.

20. (withdrawn) The method of claim 19, wherein the hydrogen peroxide donor comprises at least one of sodium peroxide and potassium peroxide.

21. (withdrawn) The method of claim 19, wherein the hydrogen peroxide donor comprises calcium dioxide.

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22. (withdrawn) The method of claim 19, wherein the hydrogen peroxide donor comprises at least one of sodium percarbonate and sodium percarbonate.

23. (withdrawn) The method of claim 19, wherein the hydrogen peroxide donor comprises at least one of sodium perborate and potassium perborate.

24. (withdrawn) The method of claim 17, wherein the anionic oxidizer comprises a peroxycarboxylic acid.

25. (withdrawn) The method of claim 24, wherein the peroxycarboxylic acid comprises an acid formed from formic acid.

26. (withdrawn) The method of claim 24, wherein the peroxycarboxylic acid comprises an acid formed from acetic acid.

27. (withdrawn) The method of claim 24, wherein the peroxycarboxylic acid comprises an acid formed from citric acid.

28. (withdrawn) The method of claim 24, wherein the peroxycarboxylic acid comprises an acid formed from oxalic acid.

29. (withdrawn) The method of claim 24, wherein the peroxycarboxylic acid comprises an acid formed from gluconic acid.

30. (withdrawn) The method of claim 24, wherein the peroxycarboxylic acid comprises an acid formed from glucoheptonic acid.

31. (withdrawn) The method of claim 24, wherein the peroxycarboxylic acid comprises an acid formed from succinic acid.

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32. (withdrawn) The method of claim 24, wherein the peroxycarboxylic acid comprises an acid formed from polyacrylic acid.

33. (withdrawn) The method of claim 24, wherein the peroxycarboxylic acid comprises an acid formed from maleic acid.

34. (withdrawn) The method of claim 24, wherein the peroxycarboxylic acid comprises an acid formed from polymaleic acid.

35. (withdrawn) The method of claim 24, wherein the peroxycarboxylic acid comprises an acid formed from polyepoxysuccinic acid.

36. (withdrawn) The method of claim 24, wherein the peroxycarboxylic acid comprises an acid formed from ethylene-diamine-tetraacetic acid.

37. (withdrawn) The method of claim 24, wherein the peroxycarboxylic acid comprises an acid formed from malonic acid.

38. (withdrawn) The method of claim 24, wherein the peroxycarboxylic acid comprises an acid formed from adipic acid.

39. (withdrawn) The method of claim 24, wherein the peroxycarboxylic acid comprises peroxycitric acid.

40. (previously presented) The method of claim 17, wherein the metal can undergo active-passive transition while in contact with an electrolyte.

41. (previously presented) The method of claim 17, further comprising the step of measuring a corrosion rate of the surface of the metal.

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42. (previously presented) The method of claim 17, further comprising the step of removing any scale or deposit from the surface of the metal.

43. (previously presented) The method of claim 17, wherein the anionic oxidizer consists essentially of hydrogen peroxide.

44. (previously presented) The method of claim 17, further comprising the step of adding a second corrosion inhibitor to an electrolyte exposed to the surface of the metal.

45. (previously presented) The method of claim 17, further comprising the step of adding a deposit control agent to an electrolyte exposed to the surface of the metal.

46-57. (cancelled)